



Recombinant Protein Technical Manual

Recombinant Human CCL28 Protein

RPES3812

Product Data:

Product SKU: RPES3812

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9NRJ3

Protein Information:

Molecular Mass: 12.49 kDa

AP Molecular Mass: 15 kDa

Tag:

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: C-C Motif Chemokine 28; Mucosae-Associated Epithelial Chemokine; MEC; Protein CCK1; Small-Inducible Cytokine A28; CCL28; SCYA28

Immunogen Information:

Sequence: Ile20-Tyr127

Background:

Chemokine (C-C Motif) Ligand 28 (CCL28) is a novel chemokine that shares the most homology with CCL27/CTACK. CCL28 shows chemotactic activity for resting CD4, CD8 T-cells and eosinophils. It binds to CCR3 and CCR10 and induces calcium mobilization in a dose-dependent manner. CCR10 (GPR2 orphan receptor) is also the receptor for CCL27/CTACK. CCL28 is preferentially expressed by epithelial cells of diverse tissues, with highest expression level in normal and pathological colon. It is also expressed in normal and asthmatic lung tissues. Human and mouse CCL28 shares 83% sequence identity in their mature regions.